



Maximum Marks: 45 Time

Allowed: 90 minutes

General Instructions:

The question paper is divided into 3 Sections - A, B and C.

Section A consists of 25 Questions (1-25). Attempt any 20 questions.

Section B consists of 24 Questions (26-49). Attempt any 20 questions.

Section C consists of 6 case-study-based Questions (50-55). Attempt any 5 questions. All questions carry equal marks.

Section A

```
1. def mk(x):  
    def mk1():  
        print("Decorated")  
        x()  
    return mk1
```

```
def mk2():  
    print("Ordinary")
```

```
p = mk(mk2)  
p()
```

In the following code, which function is the decorator?

- a. mk2()
- b. mk1()
- c. **mk()**
- d. p()

2. The expression $8/4/2$ will evaluate equivalent to which of the following expressions: a. $(8/2)/4$
b. $8/(4/2)$
c. $(2/4)/8$
d. $(8/4)/2$
3. Which function is used to read all the characters?
a. readcharacters()
b. **read()**

- c. readchar()
- d. readall()

4. bool() Statement returns?
- a. True
 - b. False**
 - c. 0
 - d. 1
5. Which of the following functions will not result in an error when no arguments are passed to it?
- a. float()**
 - b. min()
 - c. all()
 - d. divmod()
6. Which of the following functions does not necessarily accept only iterables as arguments?
- a. chr()**
 - b. max()
 - c. enumerate()
 - d. all()
7. _____method of File Input Stream class reads a byte of data from this input stream.
- a. Int read()**
 - b. Int read(byte[] b)
 - c. Void close()
 - d. Void write()
8. In file handling, what does these terms mean "r and a"?
- a. read, append**
 - b. read, all
 - c. None of these
 - d. read, always
9. Text file is a file that stores information in
- a. BCD characters
 - b. ASCII characters**
 - c. UNICODE.characters
 - d. ISCI characters
10. How would you write x^y in Python as an expression?
- a. x^y
 - b. x**y**
 - c. x^^y
 - d. none of these
11. What is the output of this expression, 3*1**3?
- a. 1**

- b. 27
- c. 9
- d. 3

12. Which function is used to write all the characters?

- a. writecharacters()
- b. writeall()
- c. **write()**
- d. writeallchars()

13. Suppose there is a list such that: l = [2, 3, 4].

If we want to print this list in reverse order, which of the following methods should be used?

- a. **reversed(l)**
- b. list(reversed(l))
- c. list(reverse(l))
- d. reverse(l)

14. Which of the following statements is not true for parameter passing to functions?

- a. You can pass keyword arguments in any order.
- b. You can call a function with positional and keyword arguments.
- c. Positional arguments must be before keyword arguments in a function call.
- d. **You can pass positional arguments in any order.**

15. Which function is used to read single line from file?

- a. readlines()
- b. **readline()**
- c. readfullline()
- d. readstatement()

16. Which of the following mode will refer to binary data?

- a. **b**
- b. w
- c. +
- d. r

17. It is a convenient way to deal with large quantities of data:

- a. Program file
- b. All of these
- c. **Data file**
- d. Executable file

18. Which of the following is not a keyword?

- a. assert
- b. nonlocal
- c. pass
- d. **eval**

19. Which data type contains only numeric value in Python?

- a. Lists
- b. **Numbers**
- c. Strings

- d. Tuples
20. Which of the following is the use of function in python?
- a. Functions don't provide better modularity for your application
 - b. Functions are reusable pieces of programs**
 - c. you can't also create your own functions
 - d. All of these
21. Which of the given argument types can be skipped from a function call?
- a. positional arguments
 - b. default arguments**
 - c. keyword arguments
 - d. named arguments
22. What is the default return value for a function that does not return any value explicitly?
- a. double
 - b. None**
 - c. null
 - d. int
23. _____method takes a string and writes it in the file.
- a. write()**
 - b. writelines()
 - c. writer()
 - d. writerow()
24. Which of the following command is used to open a file "c:\pat.txt" in read-mode only?
- a. `fin = open("c: \ pat.txt", "r")`
 - b. `fin = open("c: \pat.txt", "r")`**
 - c. `fin = open(file = "c:\pat.txt", "r+")`
 - d. `fin = open(file = "c:\ \pat.txt", "r+")`
25. To read the remaining lines of the file from a file object infi, we use
- a. `nfi.read()`
 - b. `infi.readlines()`**
 - c. `infi.read(all)`
 - d. `infi.readline()`

Section B

26. Which of the following statements will print the following? hello-how-are-you
- A. `print('hello', 'how', 'are', 'you')`
 - B. `print('hello', 'how', 'are', 'you' + '-' * 4)`
 - C. `print('hello-' + 'how-are-you')`
 - D. `print ('hello' + '-' + 'how' + '-' + 'are' + '-' + 'you')`
- a. B, C
 - b. A, D
 - c. A, C
 - d. C, D**
27. In Python we do not specify types, it is directly interpreted by the compiler, so consider the following operation to be performed.
- ```
>>> x = 33 <operator > 4
```

What would you fill in place of <operator> in the above expression so that x has an integer value?

Select all that apply (Python 3.xx)

- A. //
- B. /
- C. %
- D. All of these
- a. A, D
- b. B, C
- c. B, D
- d. A, C

28. What will be the output of the following expression? `24//6%3`, `24//4//2`, `48//3//4`

- a. (0, 3, 4)
- b. (1, 3, #error)
- c. (1, 12, #error)
- d. (1, 3, 4)

29. A variable declared in a block is local to that block and is known as

- a. **Local variable**
- b. Global variable
- c. Single variable
- d. Multi variable

30. It is a way to convey a Python object into a character stream:

- a. Unpickling
- b. **Pickling**
- c. dump() method
- d. load() method

31. What is a variable defined inside a function referred to as?

- a. **A local variable**
- b. A global variable
- c. An automatic variable
- d. A static variable

32. To open a file `c:\res.txt` for reading, we can use (select all correct options):

- a. `file = open("c: \res.txt", "r")`
- b. `file = open("c:\ \res.txt", "r")`
- c. `file = open(r"c: \res.txt", "r")`
- d. `file = open(file = "c:\res.txt", "r")`
- e. `file = open(file = "c:\ \res.txt", "r")`
- f. `file = open("c:\ \res.txt")`
- a. d, e, f
- b. a, e, f
- c. b, d, f
- d. **b, c, f**

33. What is the output of the following code?

```
bool('False')
```

- a. **True**

- b. False
- c. Error
- d. Null

34. What is the output of this code?

```
>>> int ("3" + "4")
```

- a. "7"
- b. 24
- c. "34"
- d. 34**

35. What is the output of the following expression? `print(4.00/(2.0 + 2.0))`

- a. 1
- b. 1.0**
- c. 1.00
- d. Error

36. Which of the following four code fragments will yield the following output? Eina

Nina

Dika

Select all of the function calls that result in this output

- a. `print(""" Eina  
 \nNina  
 \nDika""')`**
- b. `print("EinaNinaDika")`
- c. `print('Eina  
 Nina  
 Dika')`
- d. `print('Eina\nNina\nDika')`**

37. What is the output of the functions shown below? `float('-infinity')`

`float('inf')`

- a. -infinity and inf
- b. Error and Error
- c. -inf and inf**
- d. Error and Junk value

38. What is the output of the below program:

```
def sayHello():
 print('Hello World!')
sayHello()
sayHello()
```

- a. Hello  
Hello
- b. 'Hello World!'  
'Hello World!'**

c. Hello World! Hello  
World!(ANS)

d. none of these

39. To open a file c:\ss.txt for appending data, we use

- a. file = open("c:\ ss.txt", "a")
- b. file = open("c:\ ss.txt", "rw")
- c. file = open(r"c: \ss.txt", "a")
- d. file = open(file = "c:\ss.txt", "w")
- e. file = open(file = "c:\ ss.txt", "w")
- f. file = open("c:\ res.txt")

- a. c, d
- b. b, d
- c. a, c
- d. a, d

40. What is the output of the following expression? float(5 + int(4.39 + 2.1)%2)

- a. 8
- b. 8.0
- c. 5
- d. 5.0

41. Which of the following statement prints the shown output below? hello\example\test.txt

- a. print("hello"\example"\test.txt")
- b. print("hello\example\test.txt")
- c. print("hello\"example\"test.txt")
- d. print("hello\\example\\test.txt")

42. What is the value of this expression: 22% 3.0 is?

- a. 7
- b. 7.0
- c. 1.0
- d. 1

43. Which of the following function calls can be used to invoke the below function definition? def test(a, b, c, d)

- i. test(1, 2, 3, 4)
- ii. test(a = 1, 2, 3, 4)
- iii. test(a = 1, b = 2, c = 3, 4)
- iv. test(a = 1, b = 2, c = 3, d = 4)

- a. (iii) and (iv)
- b. (i) and (iii)
- c. (i) and (iv)
- d. (ii) and (iv)

44. Which code segment will NOT reach its print( ) function?

- a. if not 'yes' == 'no' :  
print ("condition  
met")
- b. if 'yes' != 'yes' :

```
print("condition
met")
```

c. If 'yes' == 'yes' :

```
print ("condition met")
```

d. if 'yes' != 'no' :

```
print("condition
met")
```

45. Following set of commands are executed in shell, what will be the output?

```
>>> str = "hello"
```

```
>>> str[:2]
```

a. he

b. llo

c. ello

d. hel

46. Which of the following format of files can be created programmatically through Python to store some data?

A. Zip files

B. Text files

C. Video files

D. Binary files

a. A and D

b. B and D

c. A and B

d. D and C

47. Suppose s is assigned as follows

```
s = 'foobar'
```

All of the following expressions produce the same result except one. Which one? a. **s[: : -5]**

b. s[0] + s[-1]

c. s[: : -1][-1] + s[len(s)-1]

d. s[: : -1][: : -5]

48. The collection of functions creates a

a. library

b. software

c. recursion

d. **program**

49. To read twelve characters from a file object infi, we use

a. **infi.read(12)**

b. infi.readline(12)

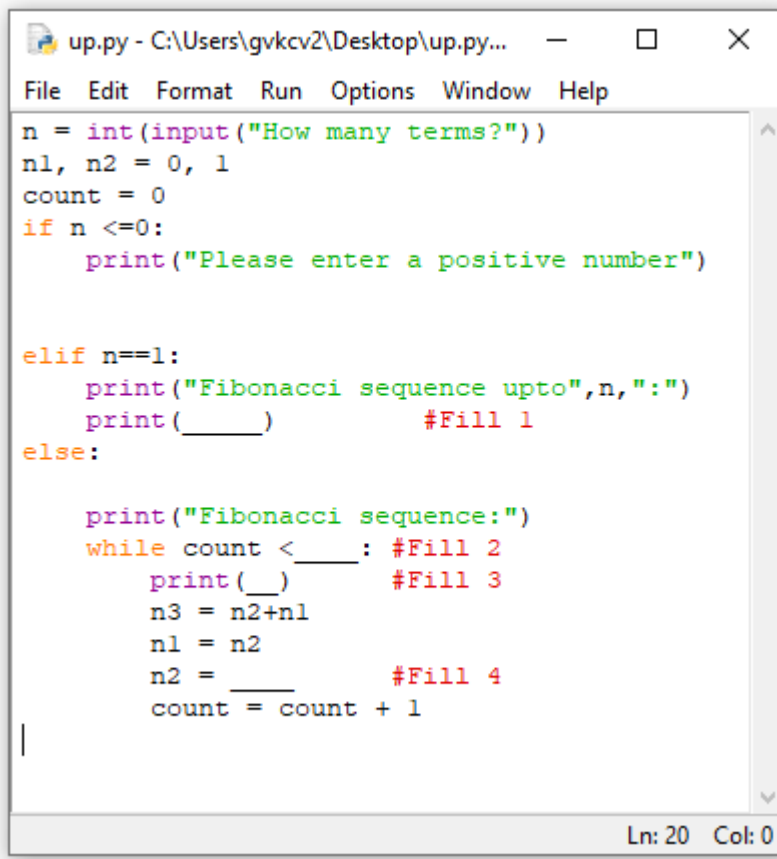
c. infi.read(13)

d. infi.readlines(12)



## Section C

Question No. 50 to 55 are based on the given text. Read the text carefully and answer the questions:



```
up.py - C:\Users\gvkcv2\Desktop\up.py... - □ ×
File Edit Format Run Options Window Help
n = int(input("How many terms?"))
n1, n2 = 0, 1
count = 0
if n <=0:
 print("Please enter a positive number")

elif n==1:
 print("Fibonacci sequence upto",n,":")
 print(_____) #Fill 1
else:
 print("Fibonacci sequence:")
 while count < ____: #Fill 2
 print(____) #Fill 3
 n3 = n2+n1
 n1 = n2
 n2 = _____ #Fill 4
 count = count + 1
```

50. Write the symbol which will terminate the **Fill 1**?
- n1
  - n2
  - n
  - error
51. Fill the blank in **Fill 2** to satisfy the condition.
- n1
  - n2
  - n
  - True
52. Write the variable which print in **Fill 3**?
- n1
  - n2
  - n/n2
  - n3
53. Write the value which will be assigned to variable n3.
- n1 - n2
  - n1 + n2
  - n1 \* n2
  - n1(n1 + n2)
54. Choose the correct option for Fill 4?
- n/n2
  - 0

c. n1

d. n3

55. If you enter 8 terms in the program. What will be the output?
- a. **0, 1, 1, 2, 3, 5, 8, 13**
  - b. 0, 1, 1, 2, 3, 5, 8
  - c. 0, 1, 2, 3, 5, 8
  - d. 0, 1, 2, 3, 4, 5, 6, 7, 8